

FIG.1a

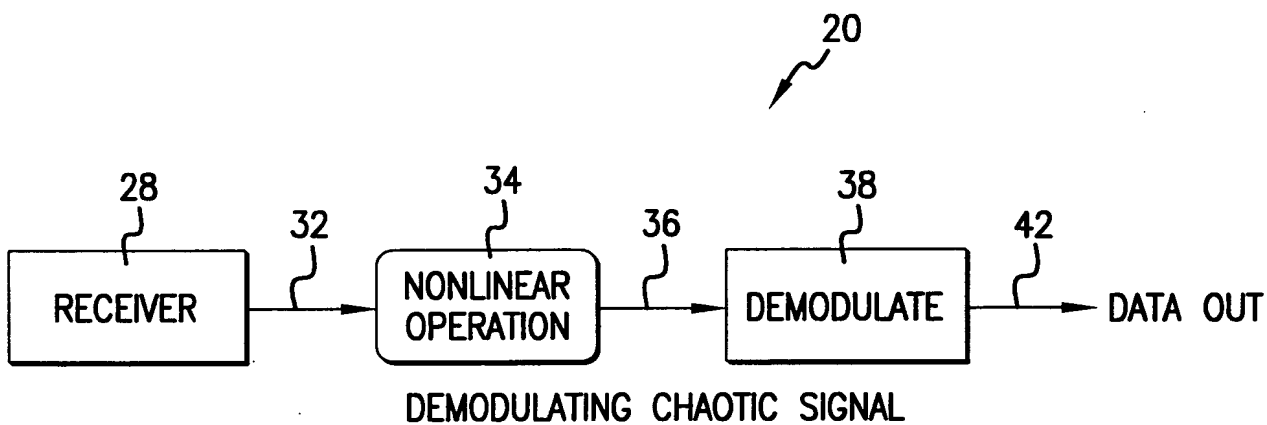
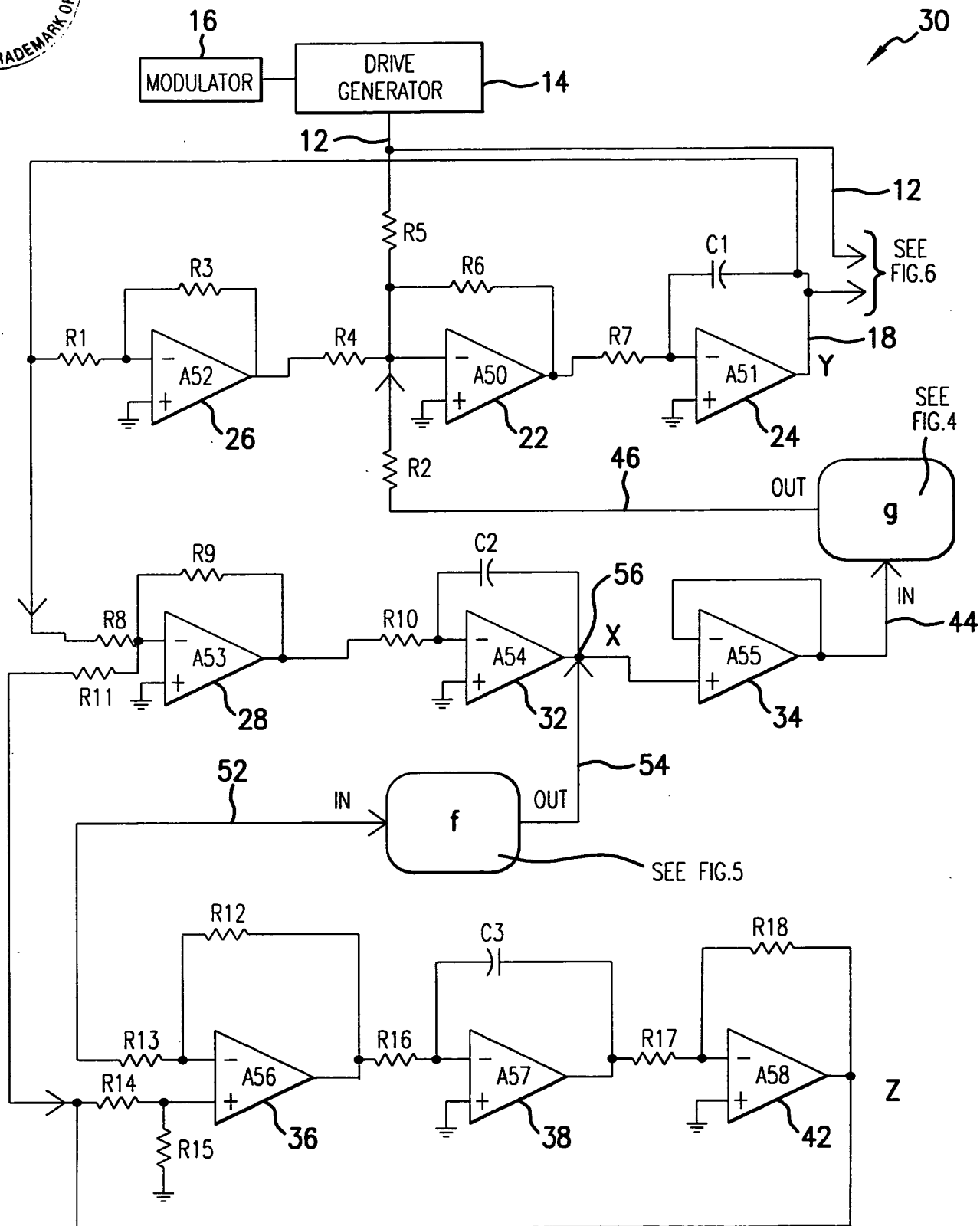


FIG.1b



NONAUTONOMOUS DUFFING CHAOTIC CIRCUIT

FIG.2

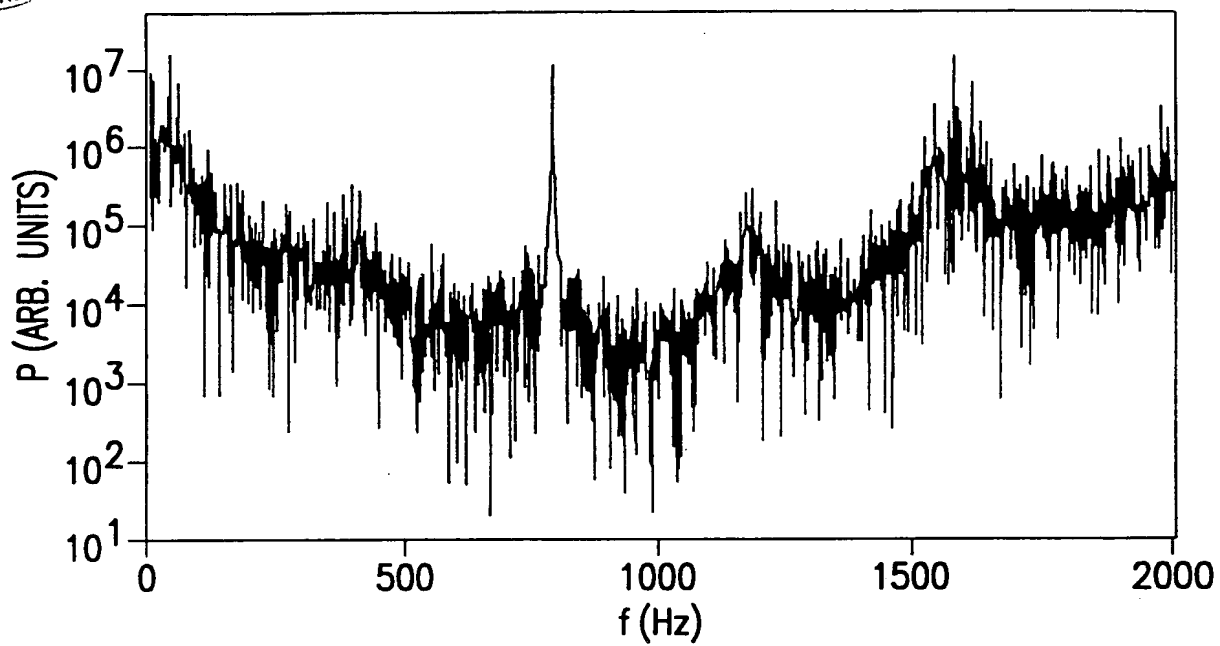


FIG.3a

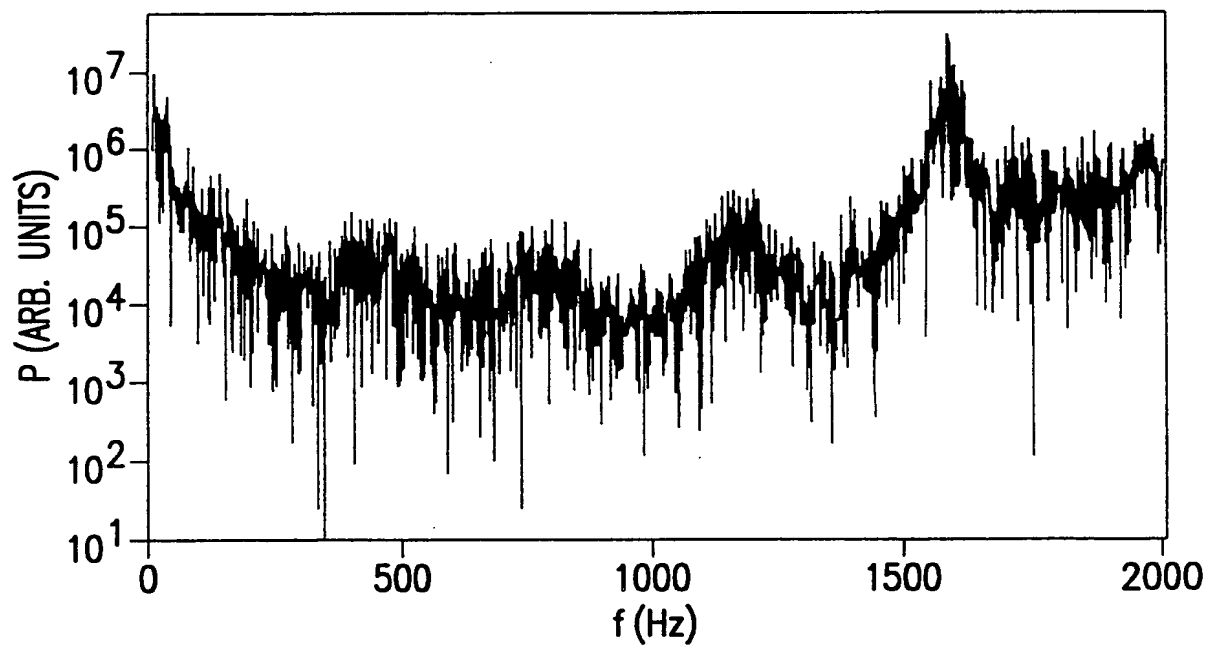
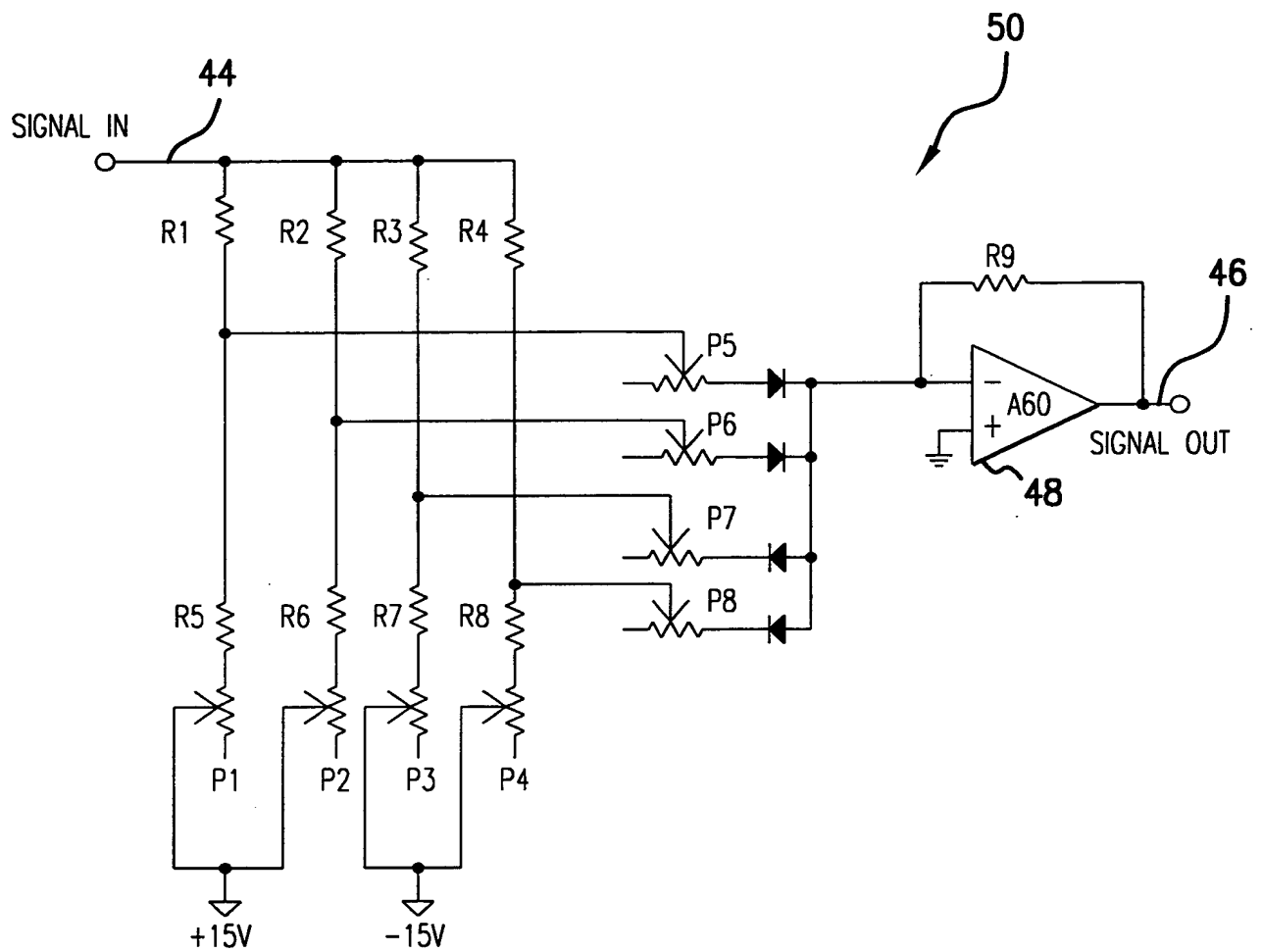


FIG.3b



CIRCUIT USED TO CREATE A FUNCTION G
IN THE CHAOTIC DUFFING CIRCUIT

FIG.4

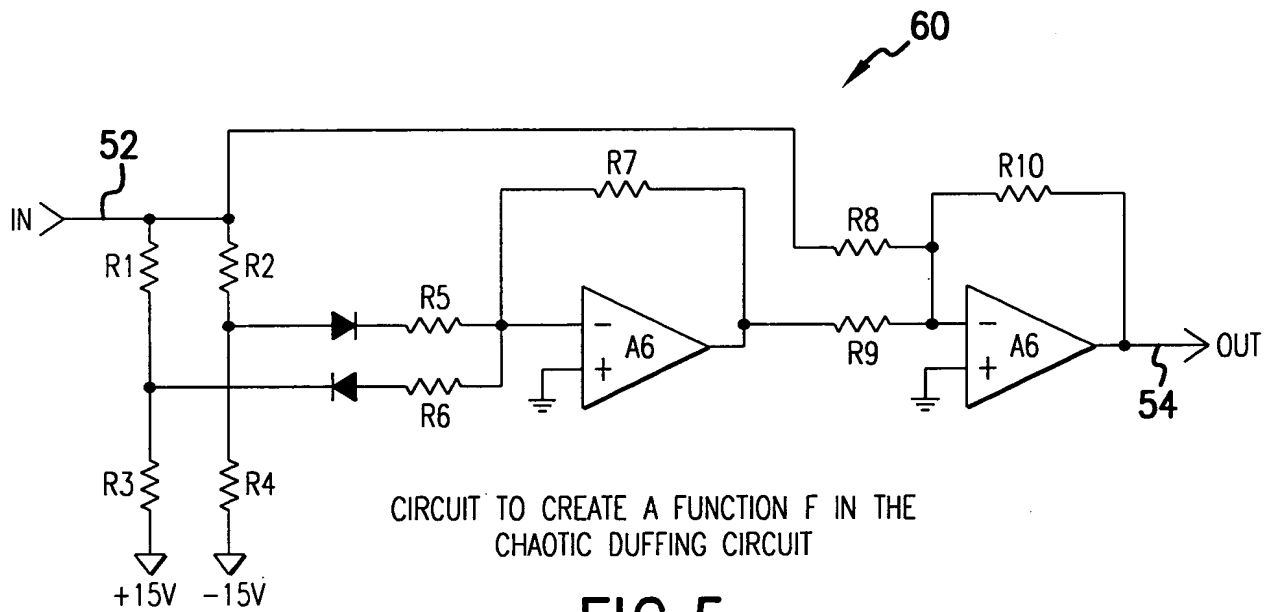
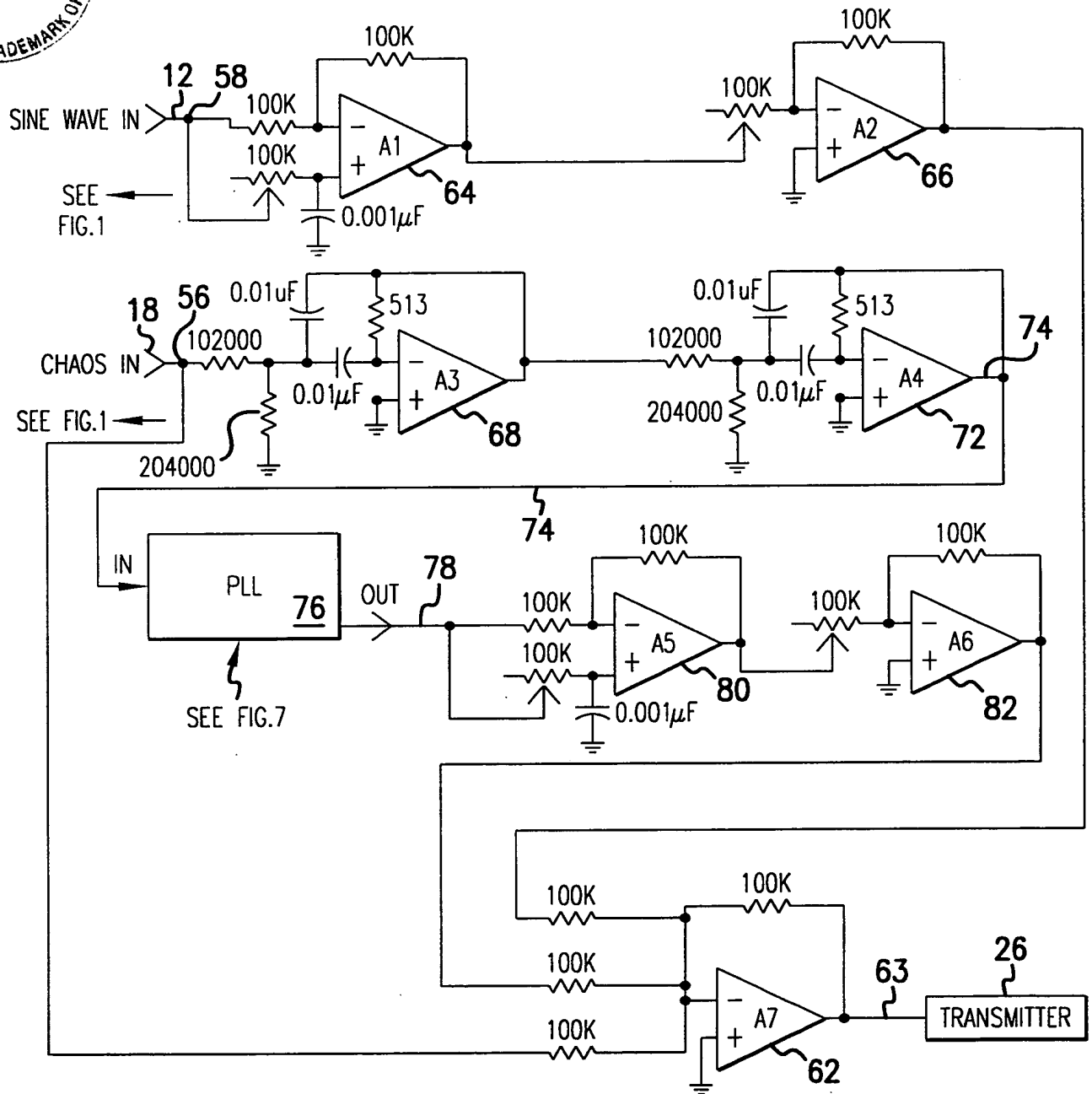


FIG.5



CIRCUIT USED TO SUBTRACT THE PERIODIC
PARTS FROM THE CHAOTIC DUFFING "y" SIGNAL

FIG.6

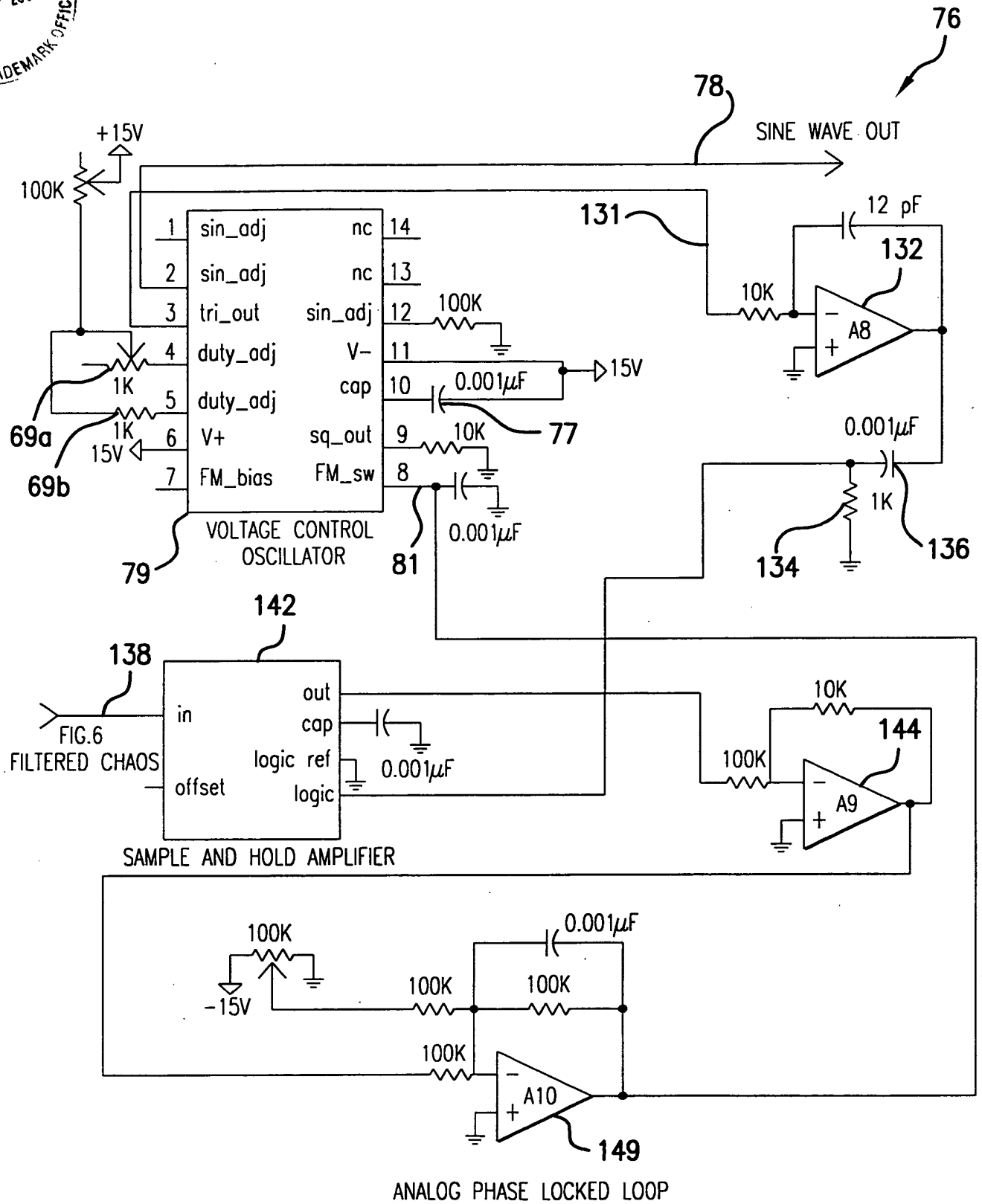
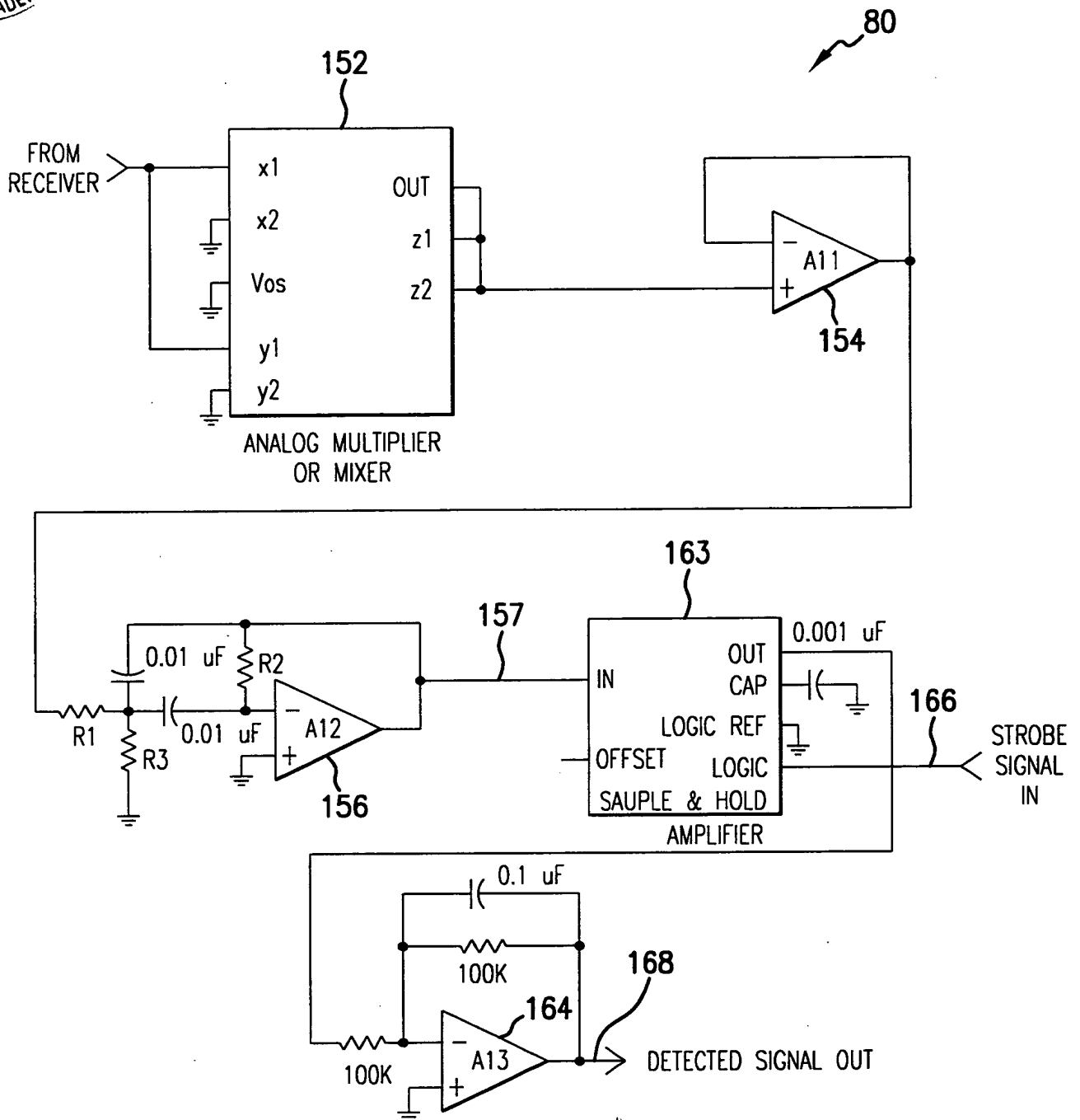


FIG. 7



CIRCUIT IN RECEIVER THAT RESTORES THE PERIODIC
 PART OF THE CHAOTIC SIGNAL

FIG.8

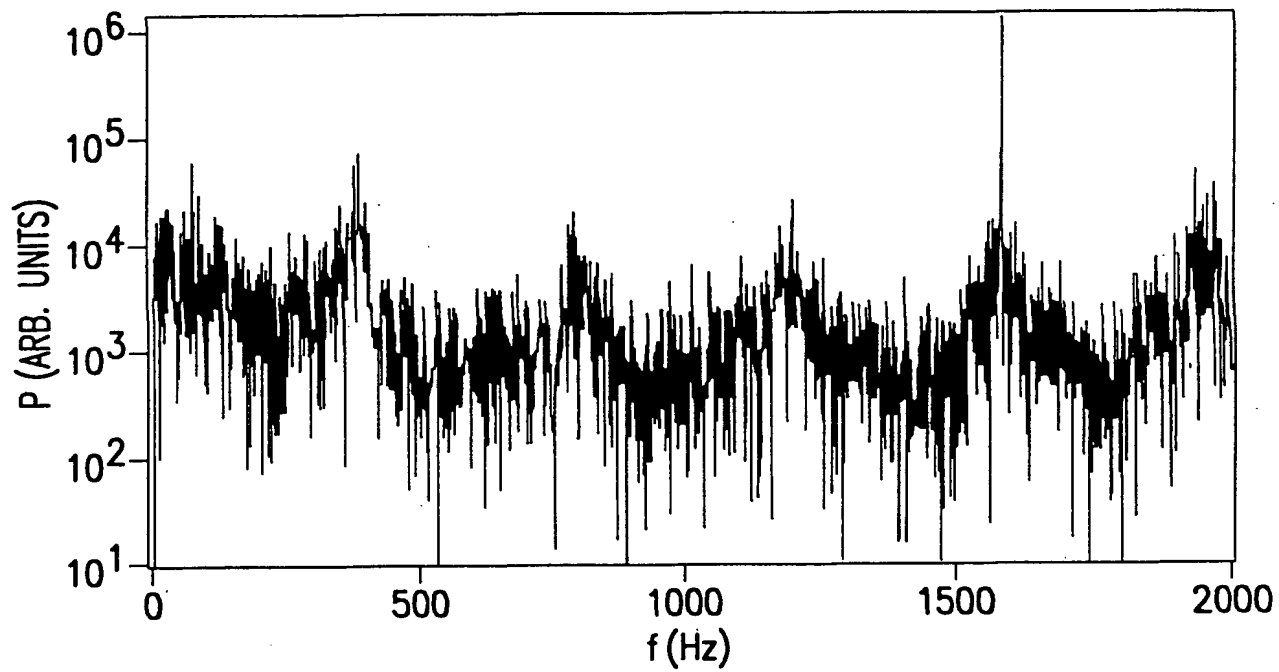


FIG.9

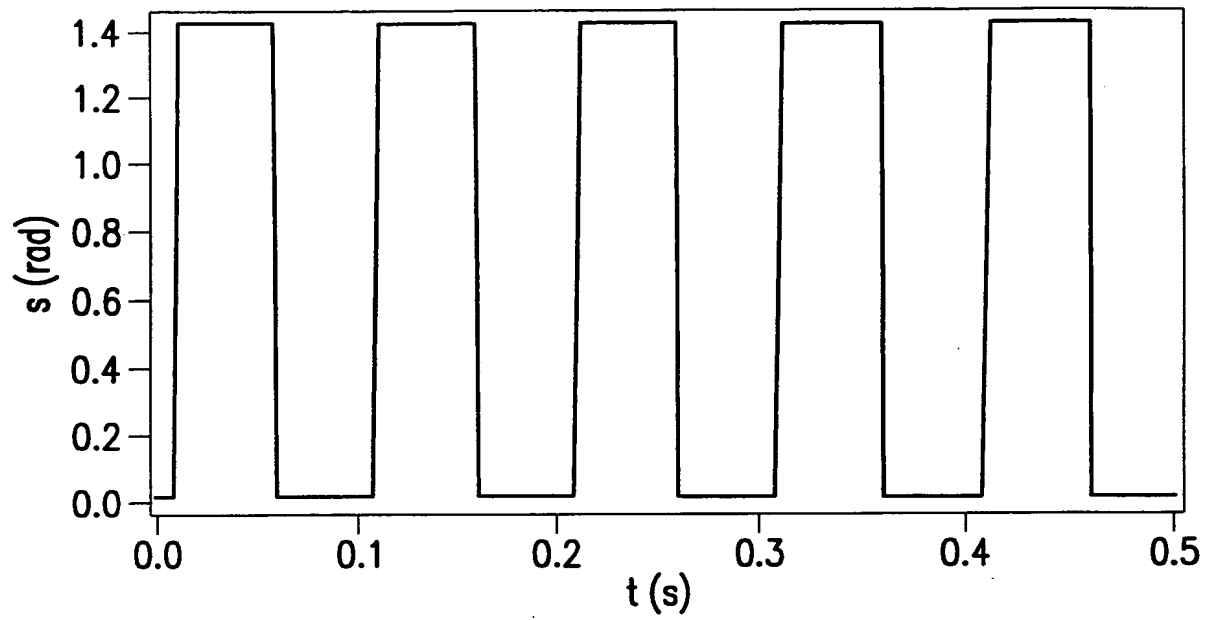


FIG.10a

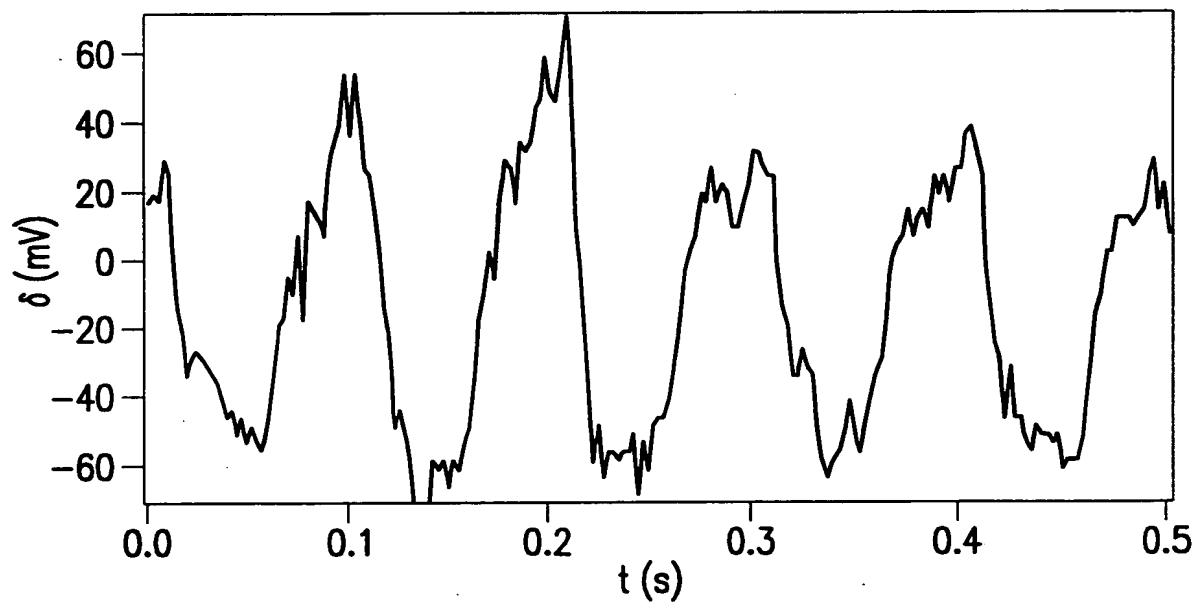
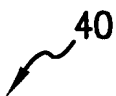


FIG.10b



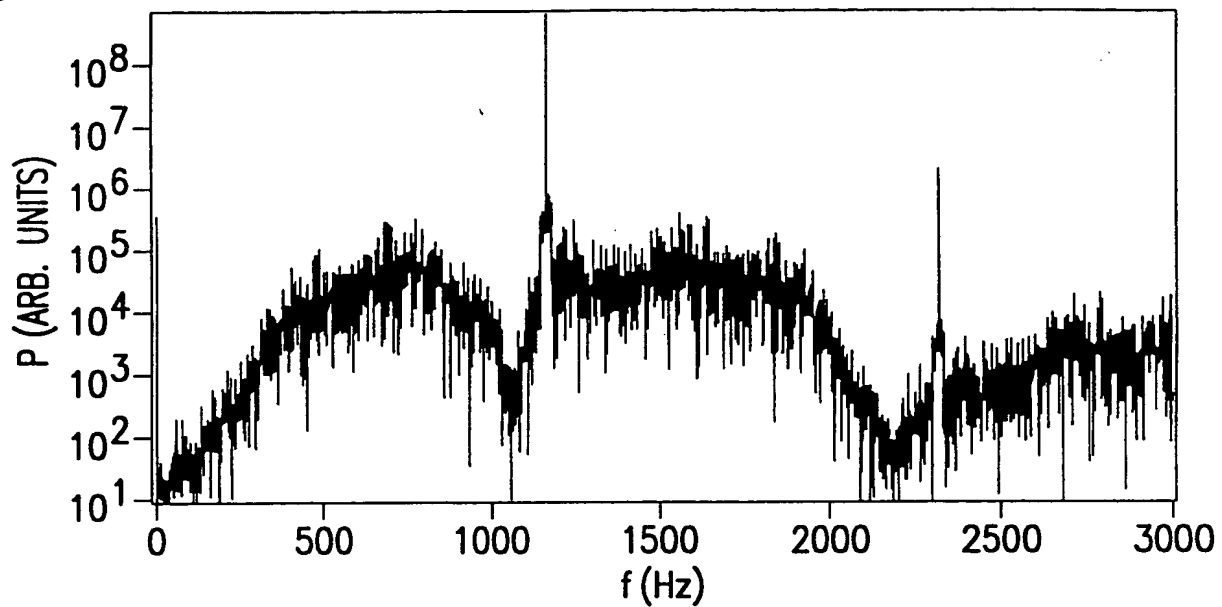


FIG.12a

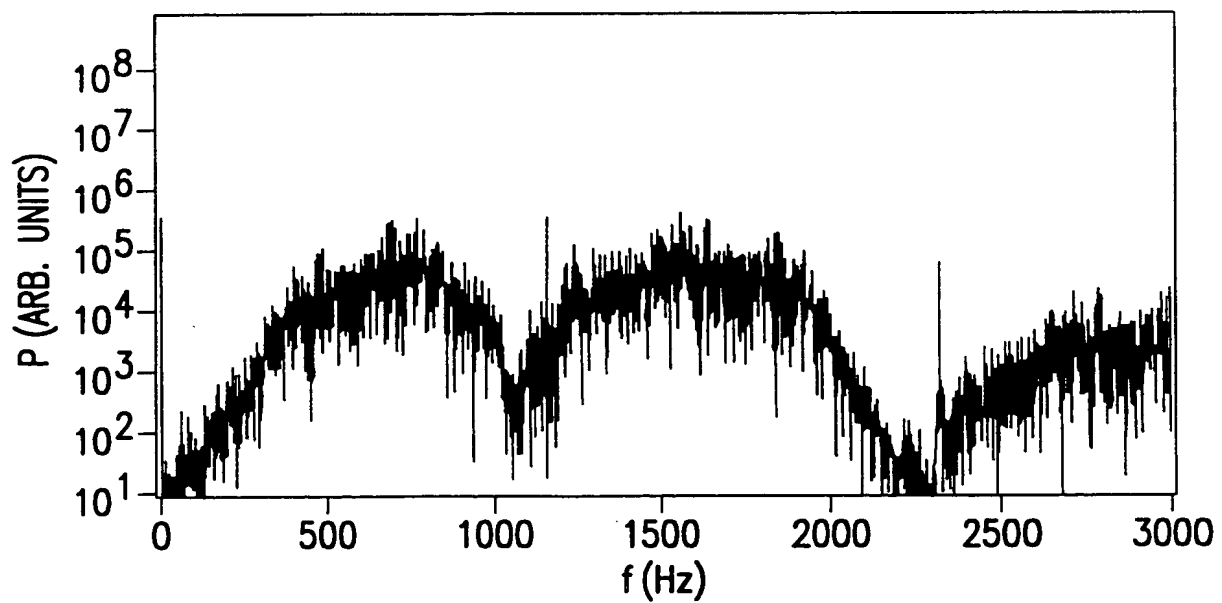
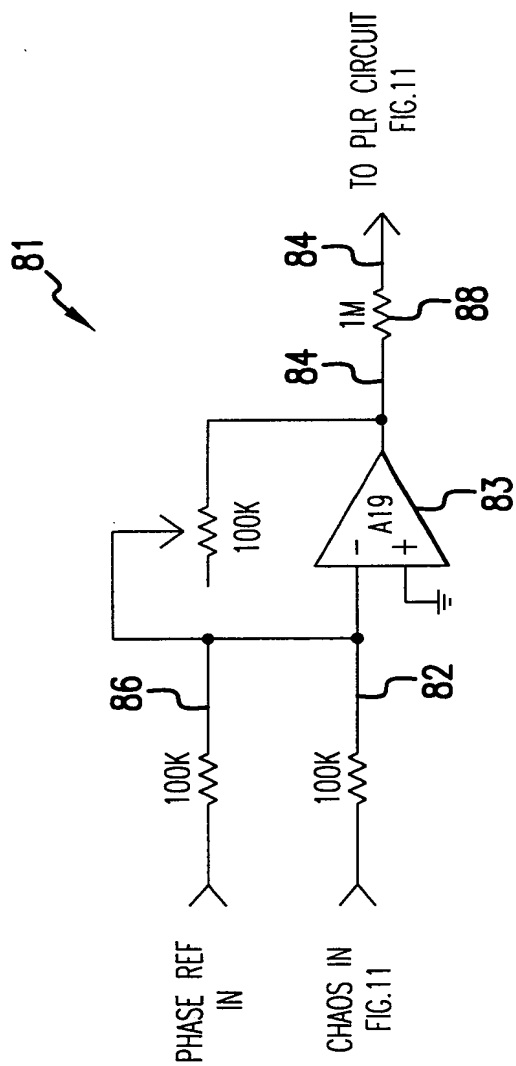


FIG.12b



PHASE LOCKING CIRCUIT USED WITH THE
CHAOTIC PLR CIRCUIT

FIG. 13



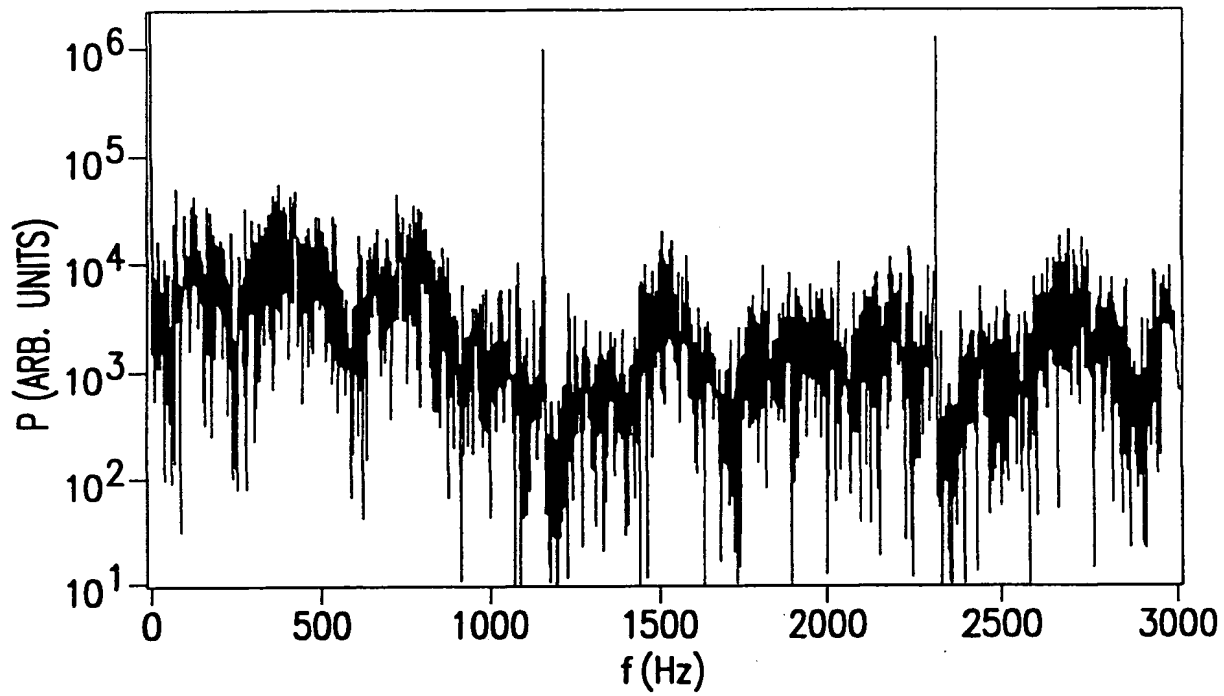


FIG.15

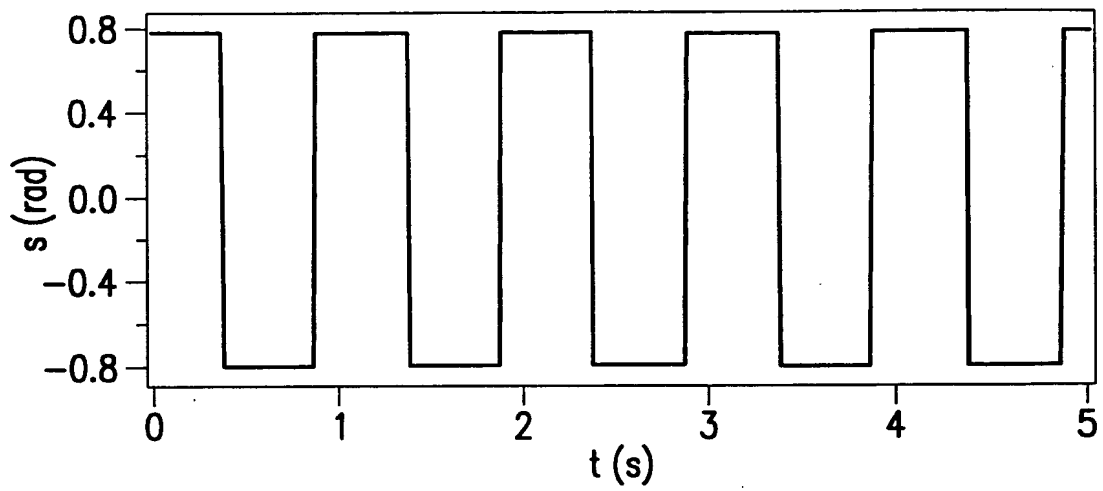


FIG.16a

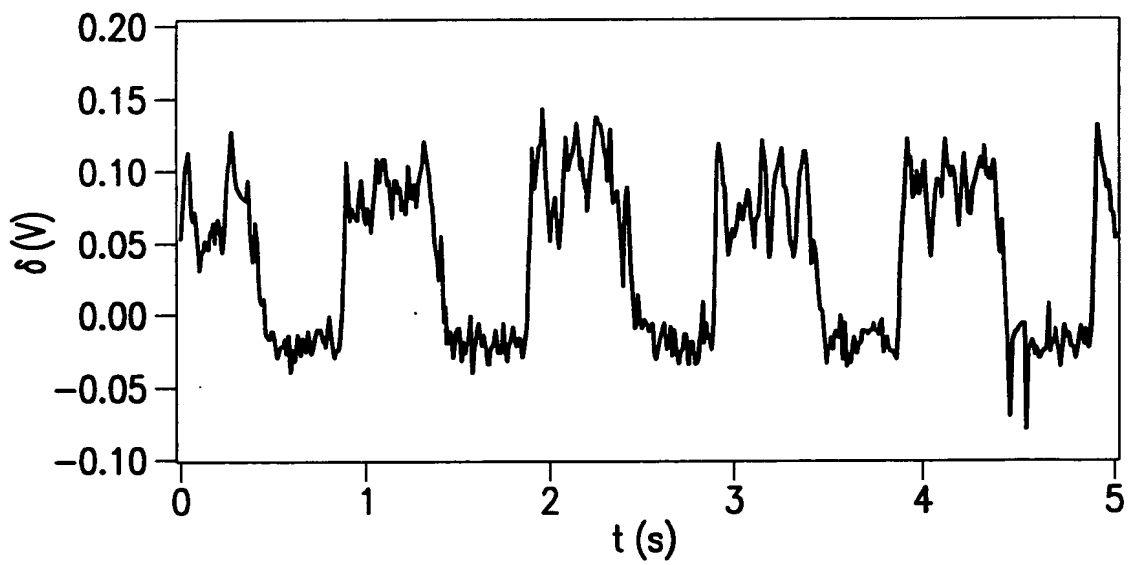


FIG.16b

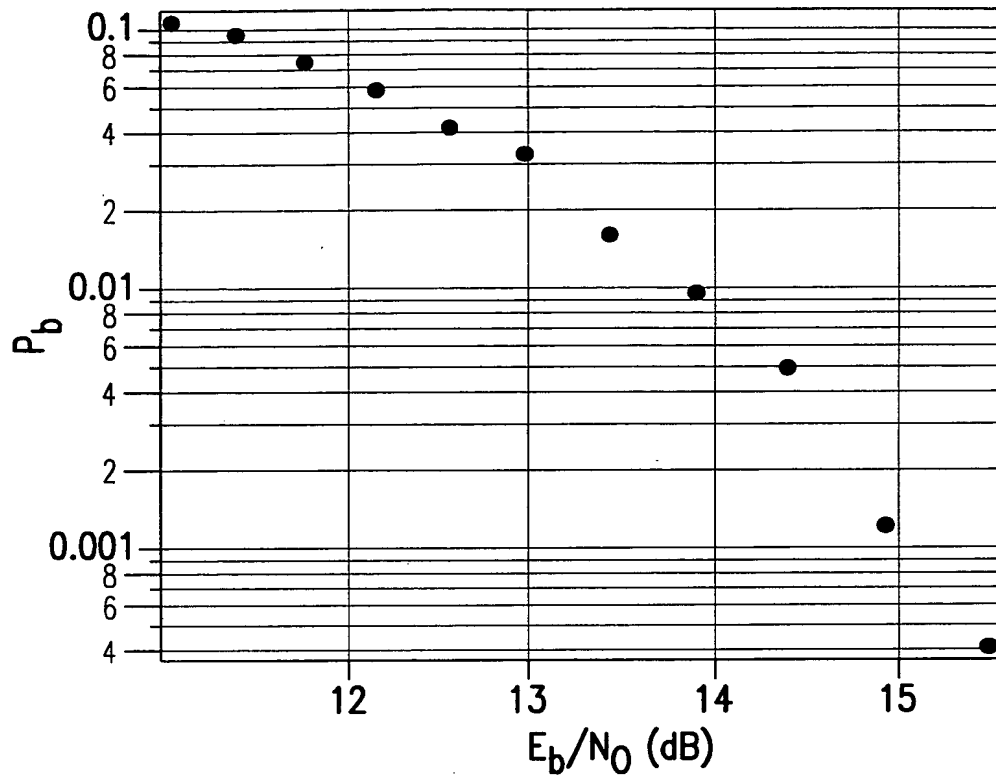


FIG.17

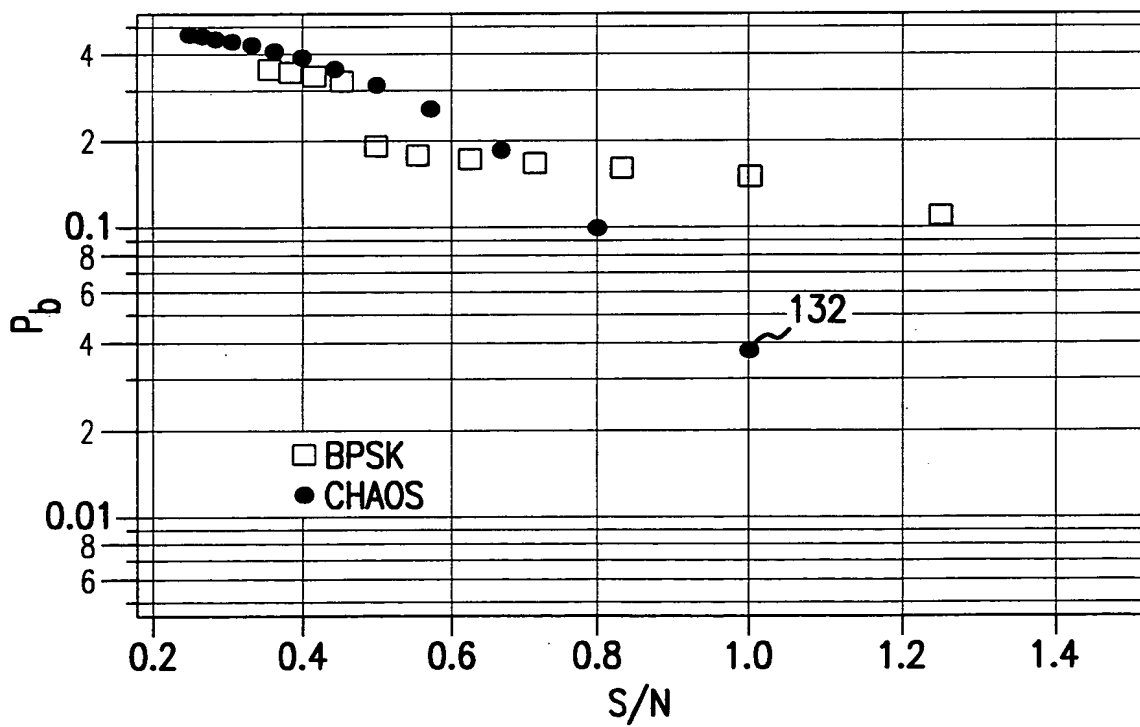


FIG.18